

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074697.D
 Acq On : 01 Oct 2022 08:02
 Operator : JC\MD
 Sample : N4882-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-118

Quant Time: Oct 03 02:13:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

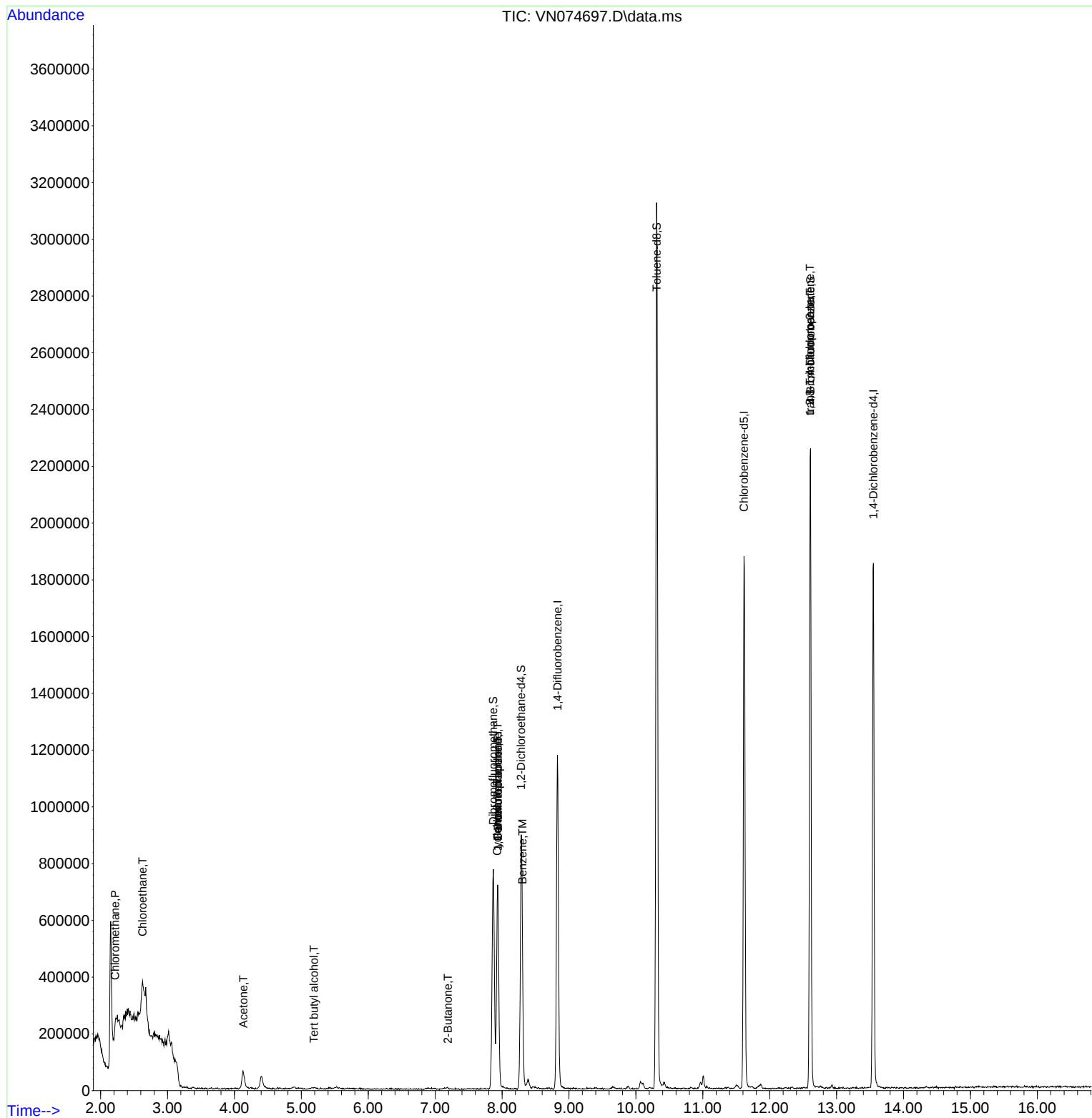
Internal Standards						
1) Pentafluorobenzene	7.933	168	524321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.827	114	980159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.615	117	1006500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	447972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	673310	51.239	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.480%	
35) Dibromofluoromethane	7.869	113	537976	51.855	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.720%	
50) Toluene-d8	10.310	98	2076257	47.579	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.160%	
62) 4-Bromofluorobenzene	12.610	95	661269	47.789	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.580%	
Target Compounds						Qvalue
3) Chloromethane	2.216	50	6254	0.389	ug/l #	64
6) Chloroethane	2.628	64	80291	4.481	ug/l #	55
8) Diethyl Ether	3.698	74	83	Below Cal	#	7
11) Tert butyl alcohol	5.186	59	5757	1.640	ug/l #	80
13) Acrolein	3.887	56	66	Below Cal	#	16
16) Acetone	4.134	43	101668	10.592	ug/l	92
20) Methylene Chloride	4.881	84	383	Below Cal	#	17
25) 2-Butanone	7.192	43	6955	0.575	ug/l	99
31) Cyclohexane	7.927	56	9370	0.439	ug/l #	55
36) 1,1-Dichloropropene	7.939	75	48537	2.921	ug/l #	49
38) Carbon Tetrachloride	7.933	117	53273	3.500	ug/l #	16
40) Benzene	8.304	78	13131	0.256	ug/l #	76
74) N-amyl acetate	12.262	43	935	Below Cal	#	42
75) 1,1,2,2-Tetrachloroethane	12.698	83	133	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.604	75	404199	39.887	ug/l #	1
77) Bromobenzene	12.604	156	188	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.604	75	404199	75.401	ug/l #	11
94) Hexachlorobutadiene	15.227	225	66	Below Cal	#	18

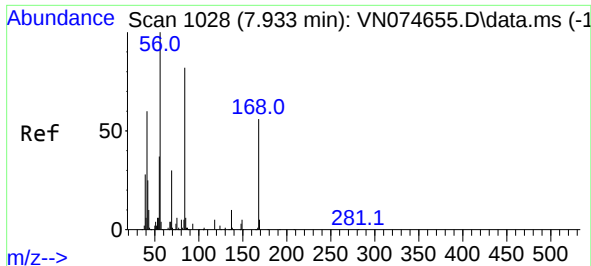
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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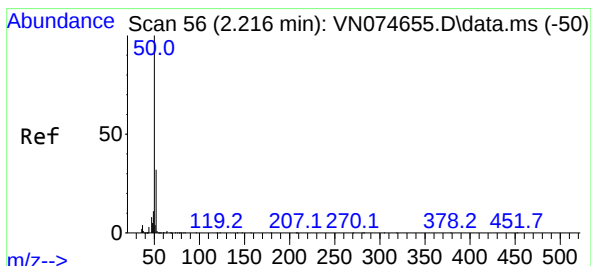
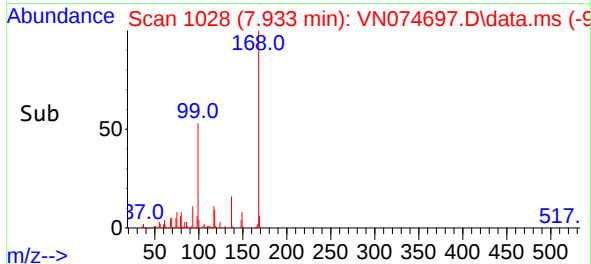
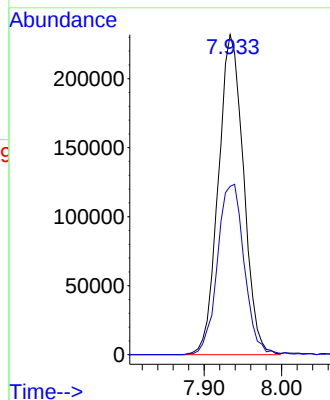
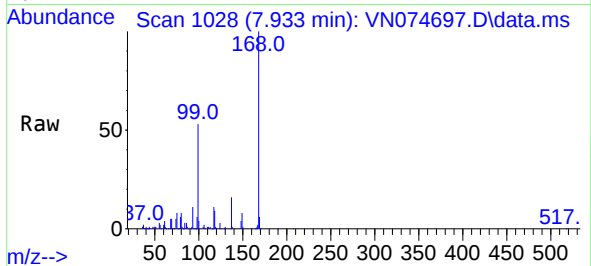




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

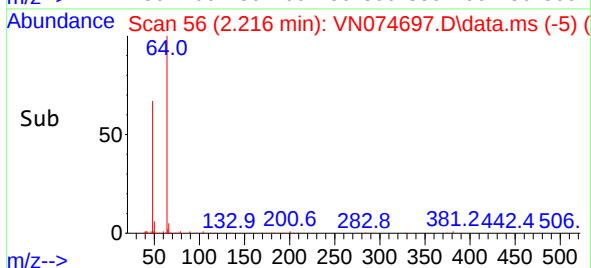
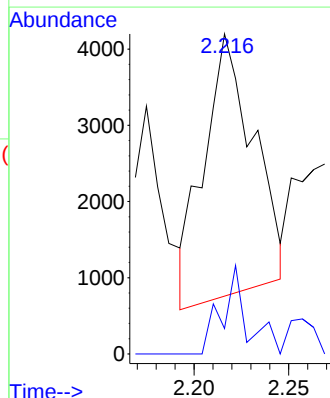
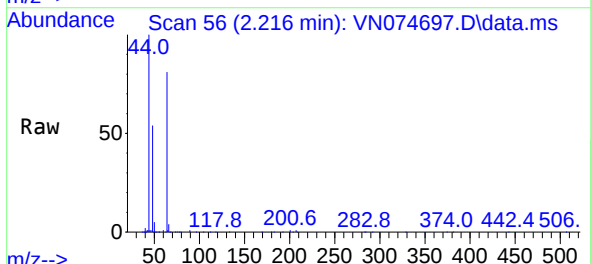
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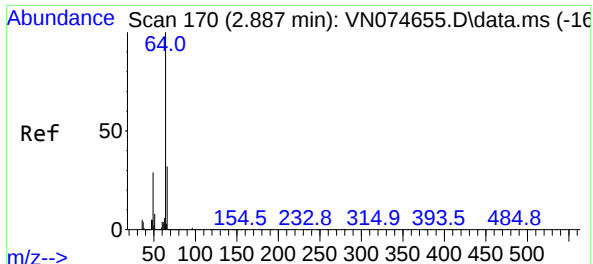
Tgt Ion:168 Resp: 524321
Ion Ratio Lower Upper
168 100
99 52.6 42.3 63.5



#3
Chloromethane
Concen: 0.389 ug/l
RT: 2.216 min Scan# 56
Delta R.T. 0.000 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

Tgt Ion: 50 Resp: 6254
Ion Ratio Lower Upper
50 100
52 11.9 25.7 38.5#

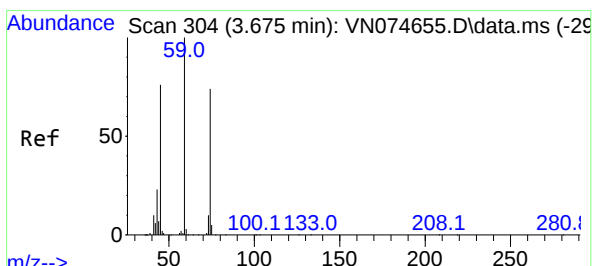
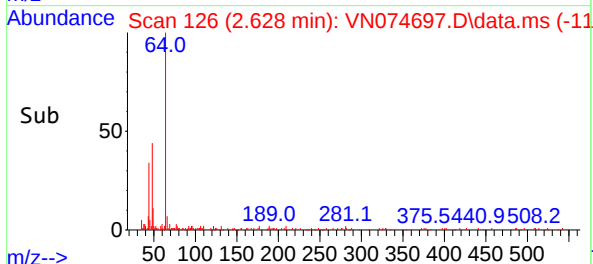
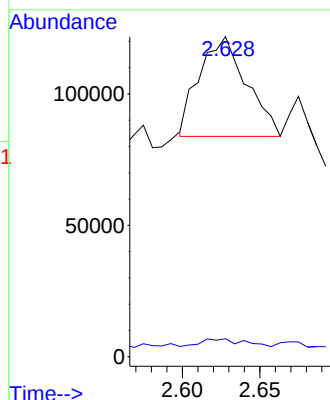
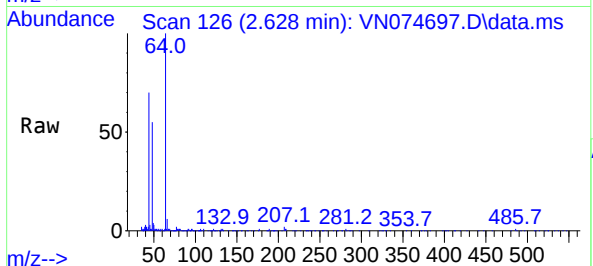




#6
Chloroethane
Concen: 4.481 ug/l
RT: 2.628 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

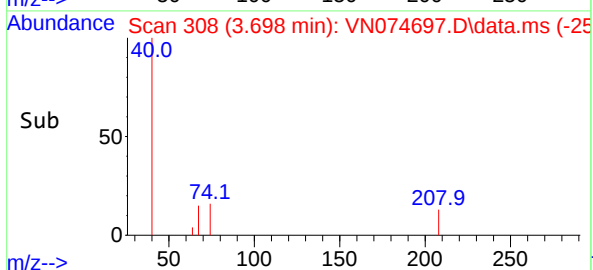
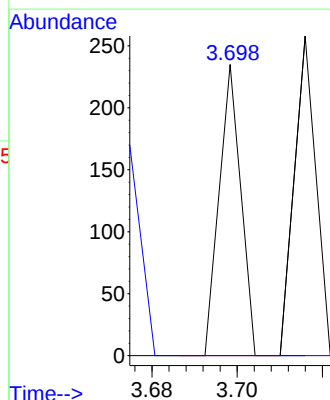
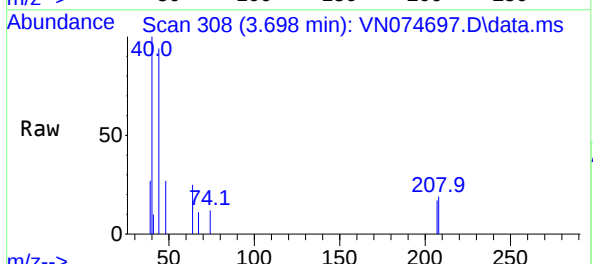
Instrument :
MSVOA_N
ClientSampleId :
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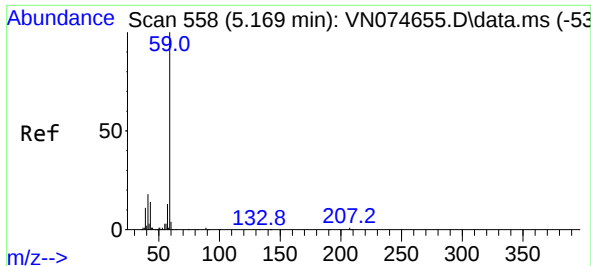
Tgt Ion: 64 Resp: 80291
Ion Ratio Lower Upper
64 100
66 7.7 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.698 min Scan# 308
Delta R.T. 0.023 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

Tgt Ion: 74 Resp: 83
Ion Ratio Lower Upper
74 100
45 0.0 42.9 128.5#

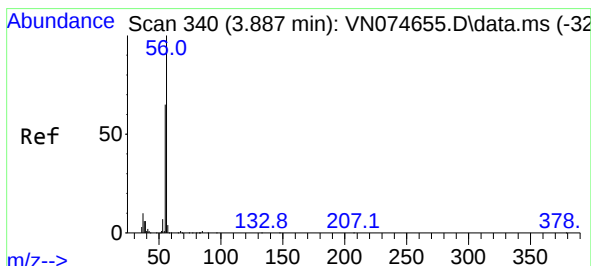
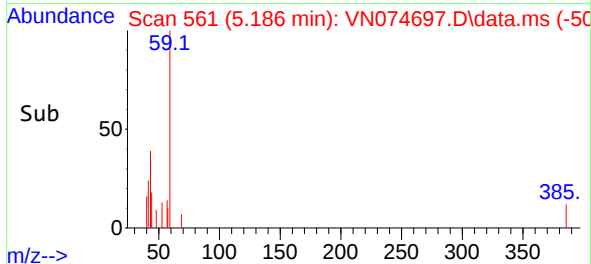
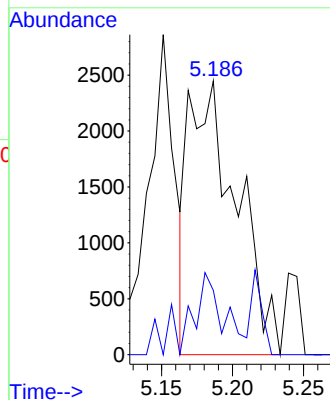
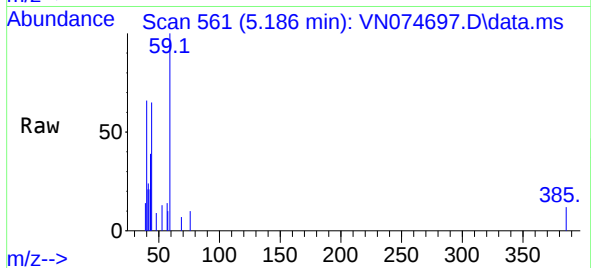




#11
Tert butyl alcohol
Concen: 1.640 ug/l
RT: 5.186 min Scan# 50
Delta R.T. 0.017 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

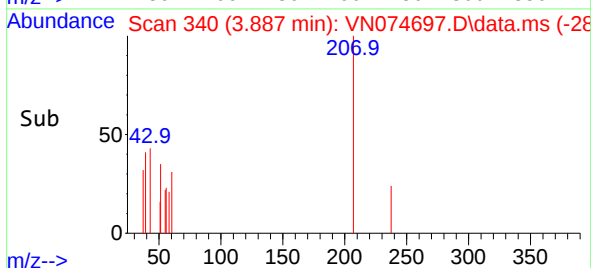
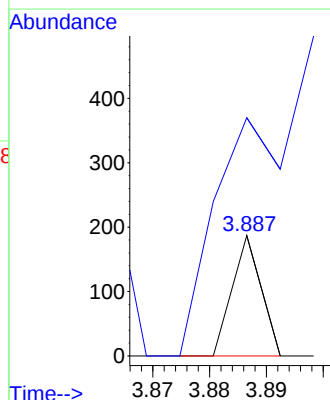
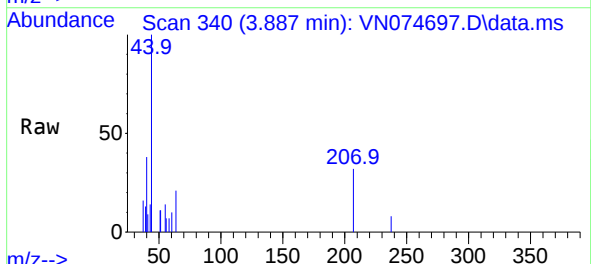
Instrument :
MSVOA_N
ClientSampleId :
MW-118

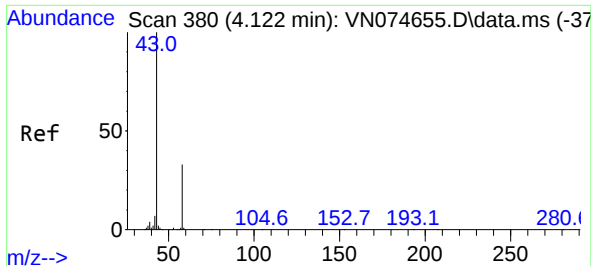
Tgt Ion: 59 Resp: 5757
Ion Ratio Lower Upper
59 100
57 18.0 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 3.887 min Scan# 340
Delta R.T. -0.000 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

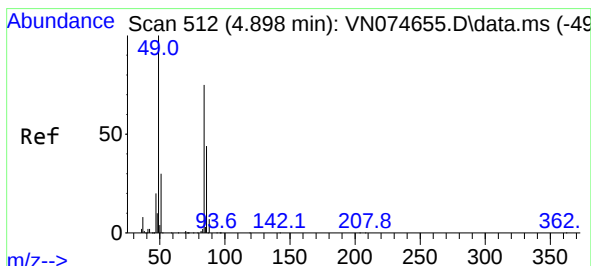
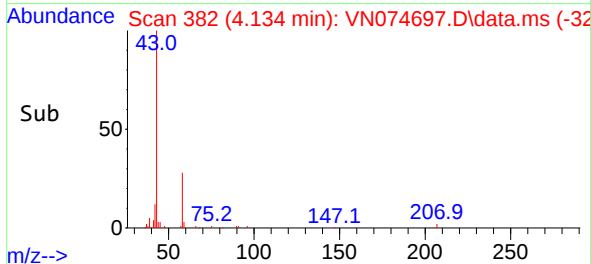
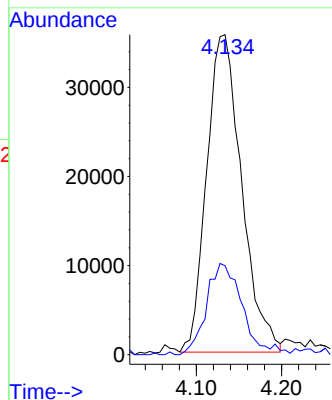
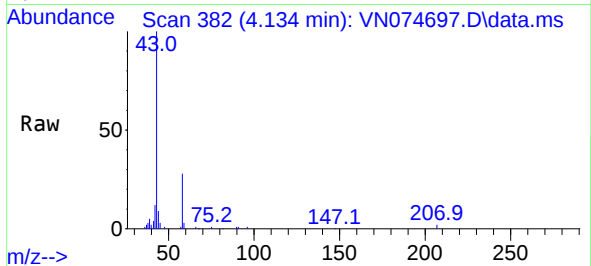




#16
Acetone
Concen: 10.592 ug/l
RT: 4.134 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

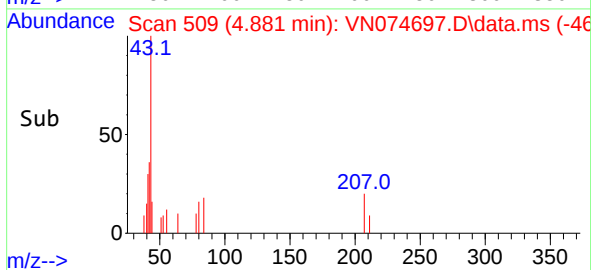
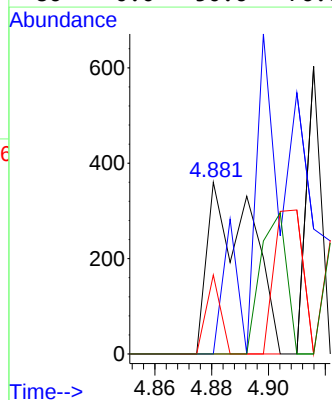
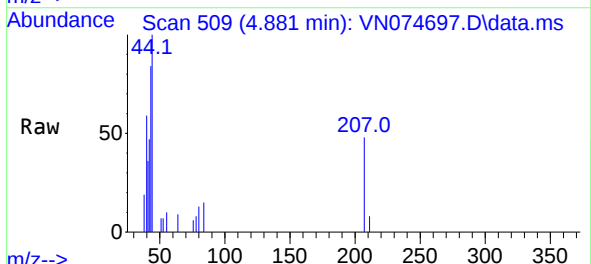
Instrument :
MSVOA_N
ClientSampleId :
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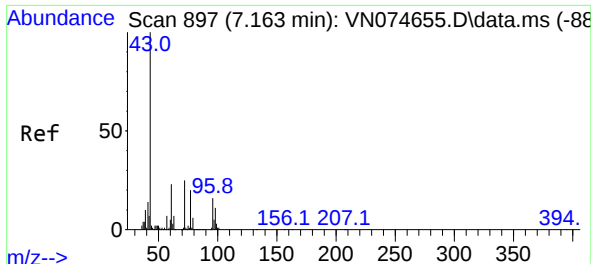
Tgt Ion: 43 Resp: 101668
Ion Ratio Lower Upper
43 100
58 28.0 26.0 39.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.881 min Scan# 509
Delta R.T. -0.017 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

Tgt Ion: 84 Resp: 383
Ion Ratio Lower Upper
84 100
49 0.0 88.3 132.5#
51 46.1 28.2 42.2#
86 0.0 50.6 76.0#

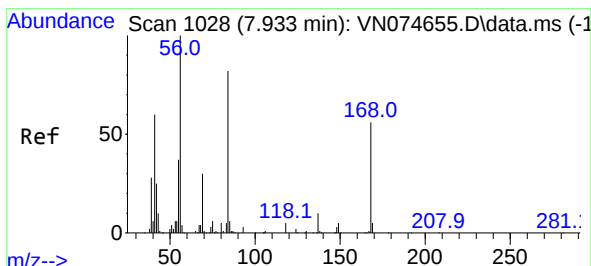
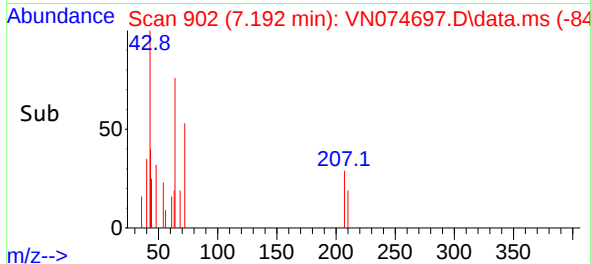
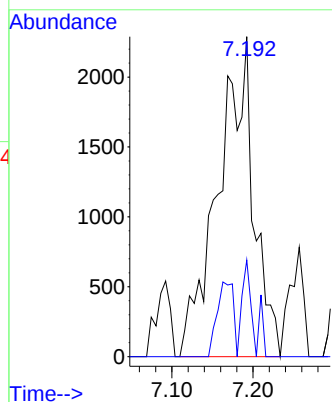
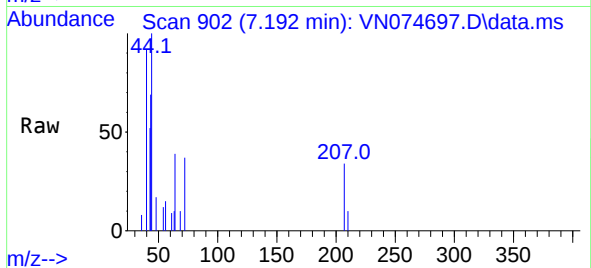




#25
2-Butanone
Concen: 0.575 ug/l
RT: 7.192 min Scan# 90
Delta R.T. 0.029 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

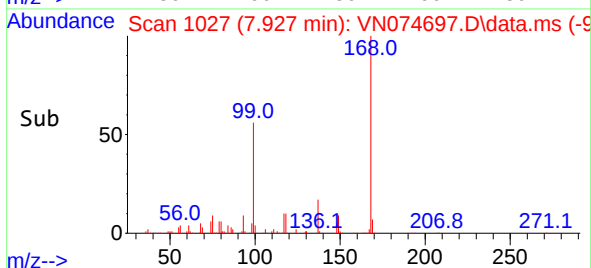
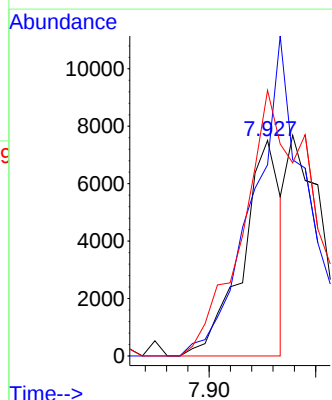
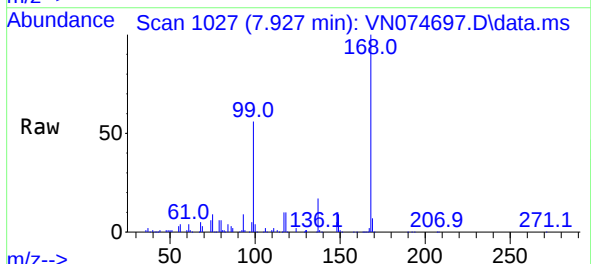
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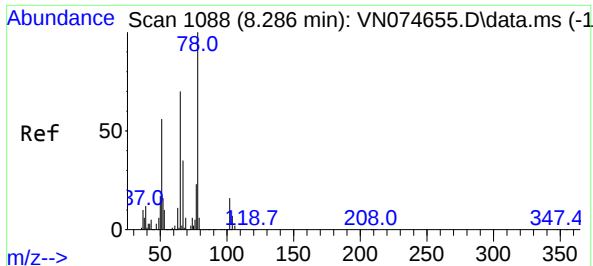
Tgt Ion: 43 Resp: 6955
Ion Ratio Lower Upper
43 100
72 30.2 23.7 35.5



#31
Cyclohexane
Concen: 0.439 ug/l
RT: 7.927 min Scan# 1027
Delta R.T. -0.006 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

Tgt Ion: 56 Resp: 9370
Ion Ratio Lower Upper
56 100
69 88.7 27.8 41.8#
84 123.3 76.9 115.3#

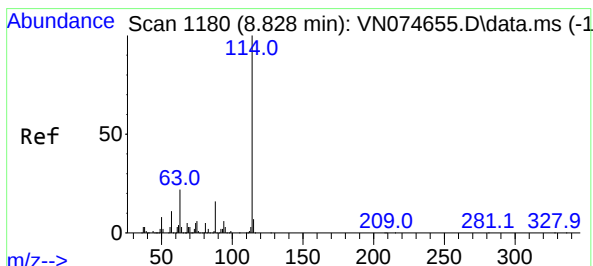
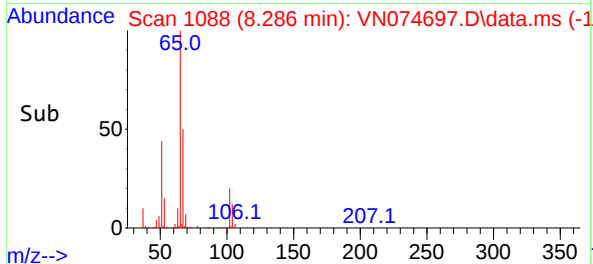
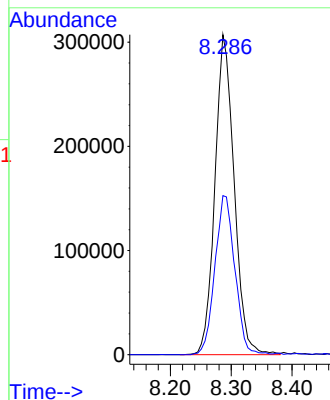
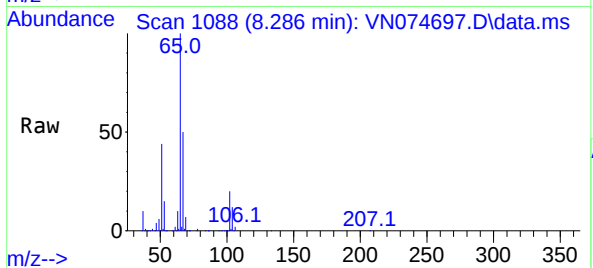




#33
1,2-Dichloroethane-d4
Concen: 51.239 ug/l
RT: 8.286 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

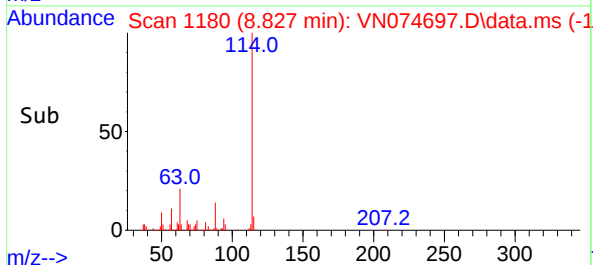
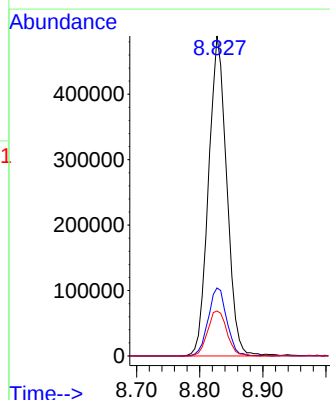
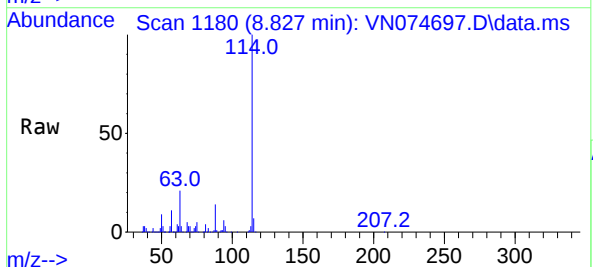
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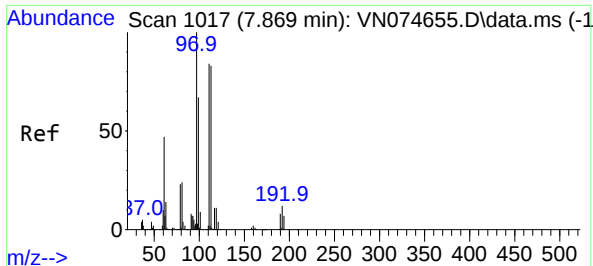
Tgt Ion: 65 Resp: 673310
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.827 min Scan# 1180
Delta R.T. -0.001 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

Tgt Ion:114 Resp: 980159
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.0
88 14.0 0.0 32.6

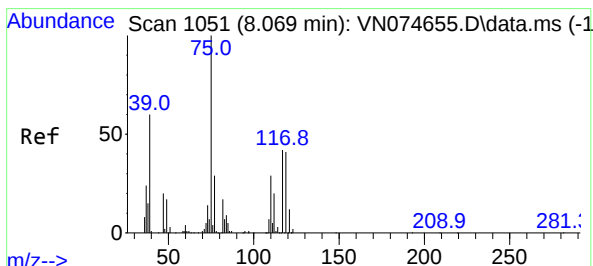
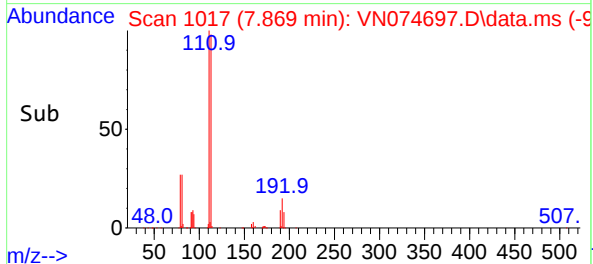
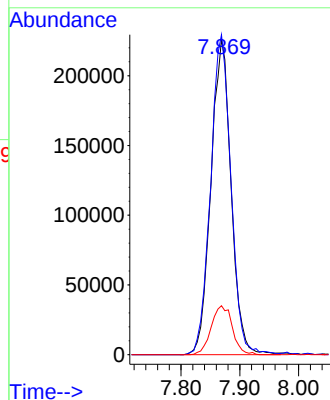
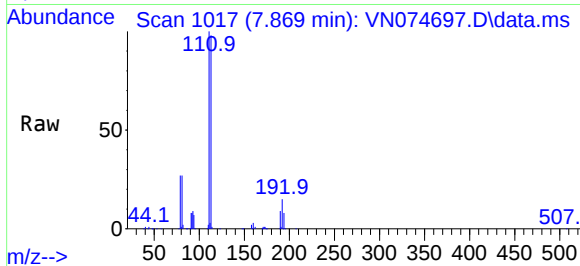




#35
Dibromofluoromethane
Concen: 51.855 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

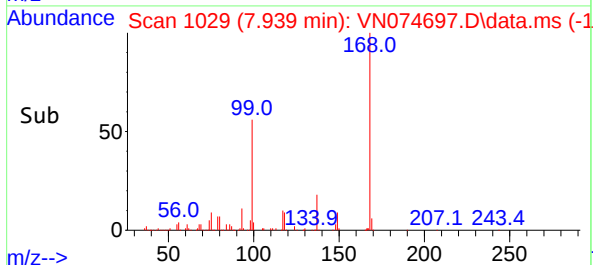
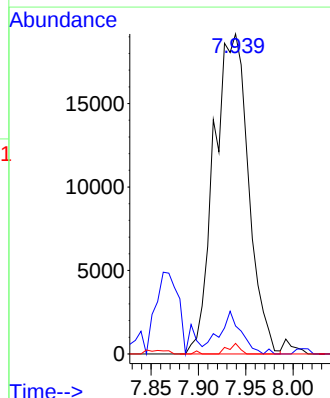
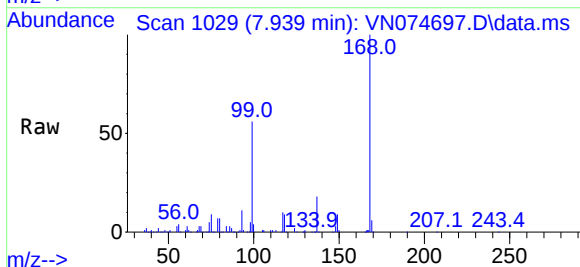
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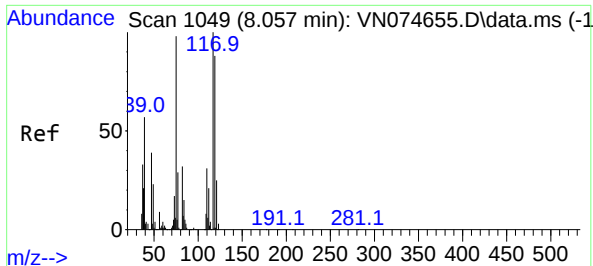
Tgt Ion:113 Resp: 537976
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 16.3 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 2.921 ug/l
RT: 7.939 min Scan# 1029
Delta R.T. -0.130 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

Tgt Ion: 75 Resp: 48537
Ion Ratio Lower Upper
75 100
110 8.4 18.3 54.8#
77 1.1 25.1 37.7#

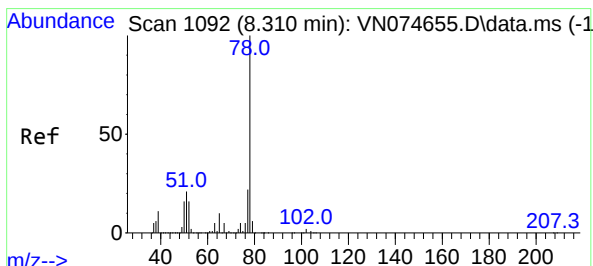
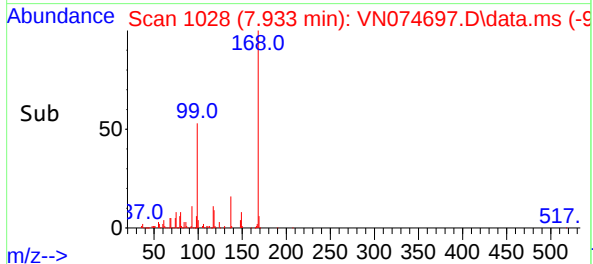
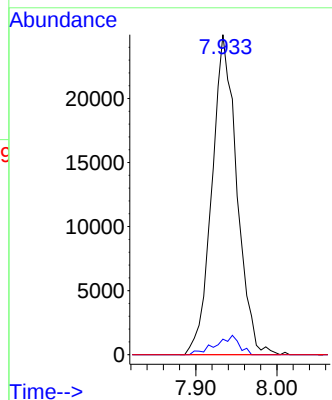
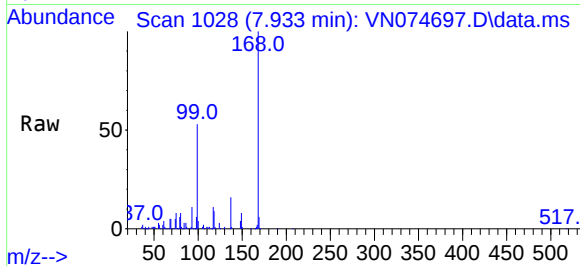




#38
Carbon Tetrachloride
Concen: 3.500 ug/l
RT: 7.933 min Scan# 1049
Delta R.T. -0.124 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

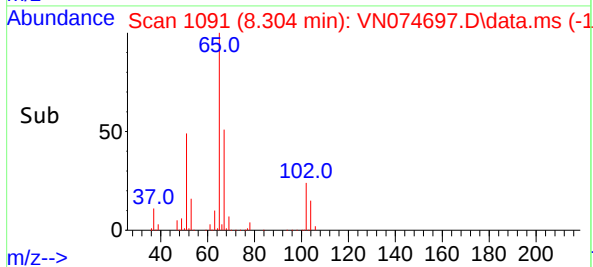
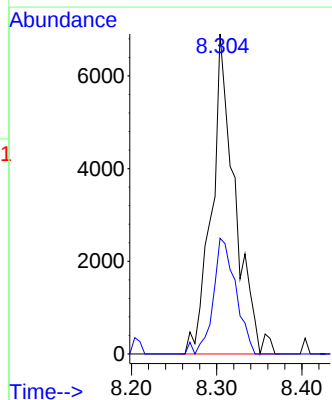
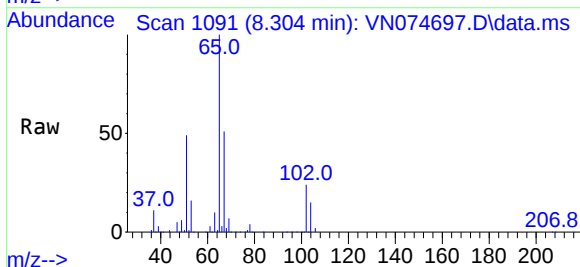
Instrument :
MSVOA_N
ClientSampleId :
MW-118

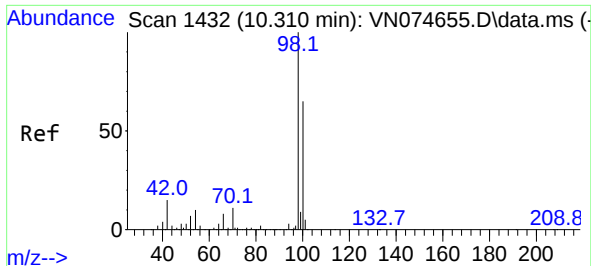
Tgt Ion:117 Resp: 53273
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.256 ug/l
RT: 8.304 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

Tgt Ion: 78 Resp: 13131
Ion Ratio Lower Upper
78 100
77 36.2 19.4 29.0#

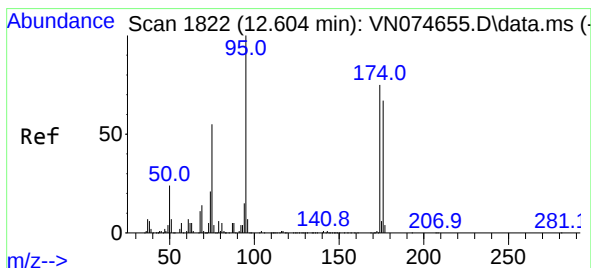
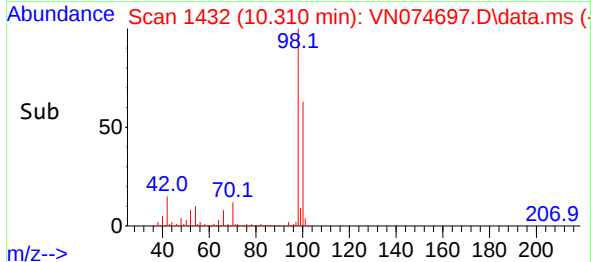
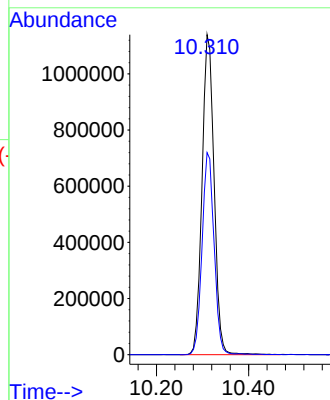
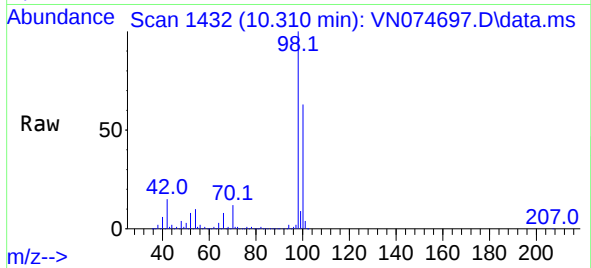




#50
Toluene-d8
Concen: 47.579 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

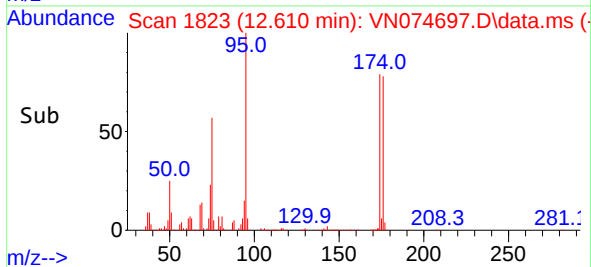
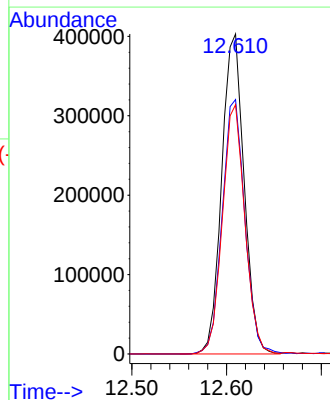
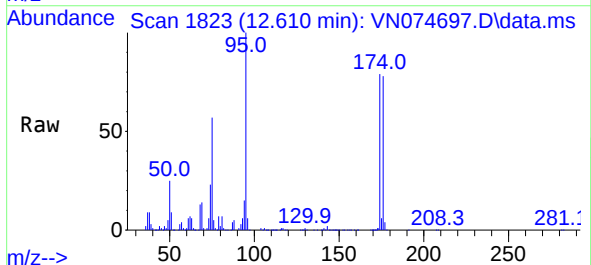
Instrument :
MSVOA_N
ClientSampleId :
MW-118

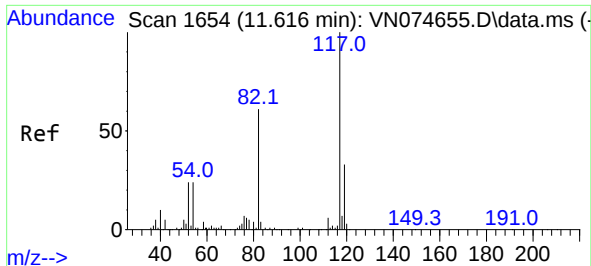
Tgt Ion: 98 Resp: 2076257
Ion Ratio Lower Upper
98 100
100 63.2 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 47.789 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

Tgt Ion: 95 Resp: 661269
Ion Ratio Lower Upper
95 100
174 80.8 0.0 167.6
176 78.1 0.0 163.4

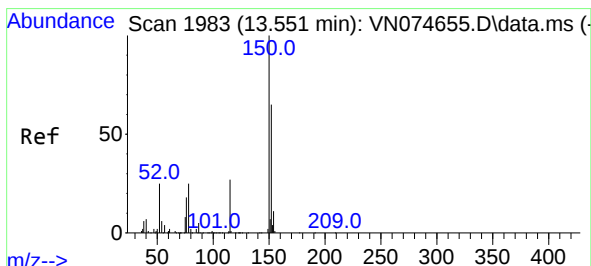
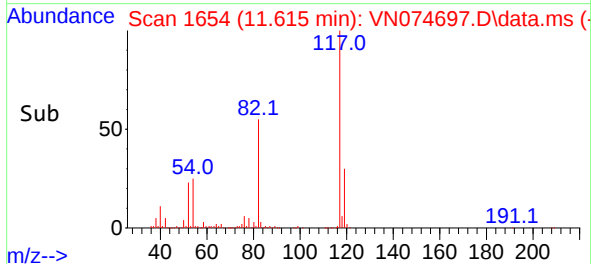
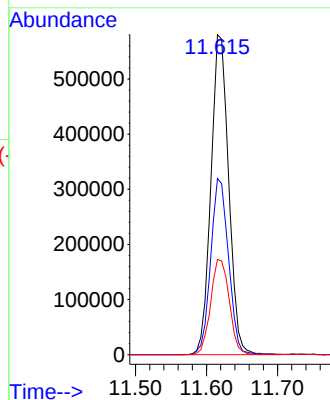
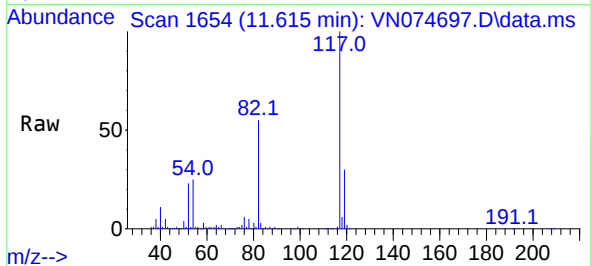




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.615 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

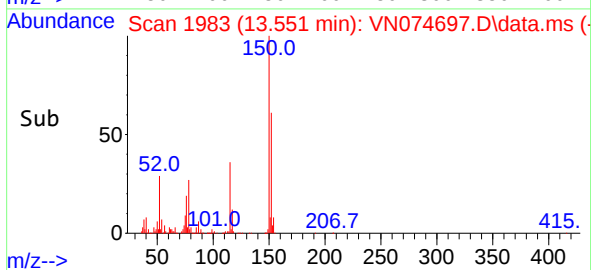
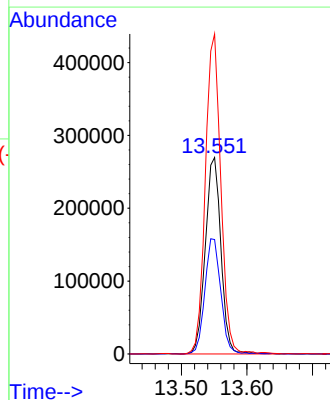
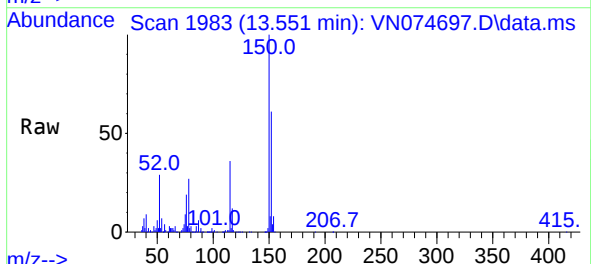
Instrument :
MSVOA_N
ClientSampleId :
MW-118

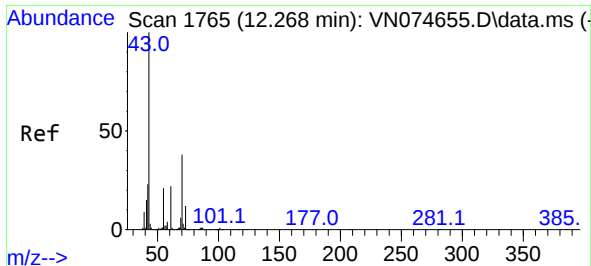
Tgt Ion:117 Resp: 1006500
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 29.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

Tgt Ion:152 Resp: 447972
Ion Ratio Lower Upper
152 100
115 59.9 28.9 86.7
150 160.5 0.0 356.2

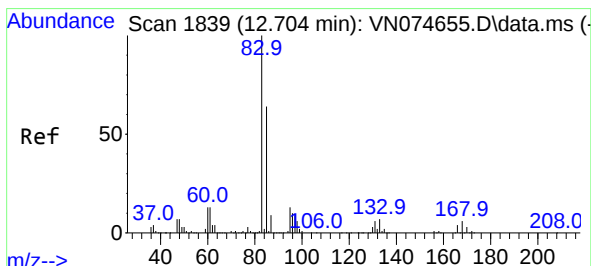
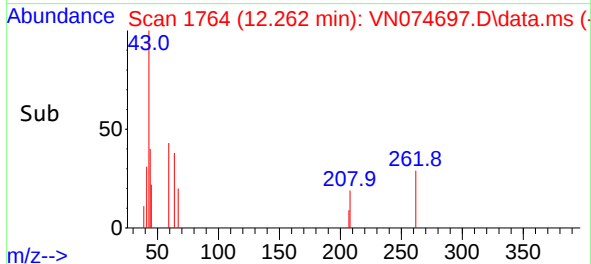
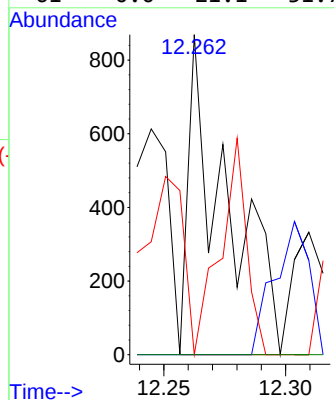
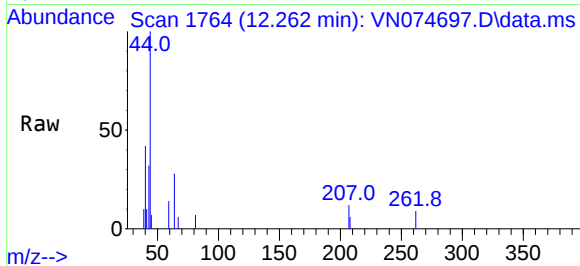




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.262 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

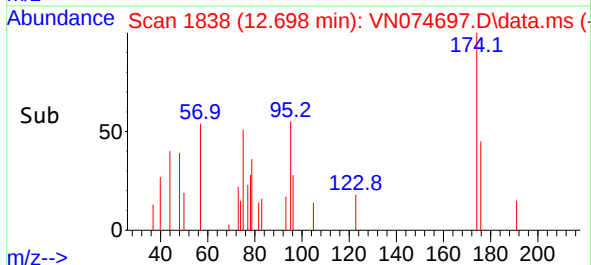
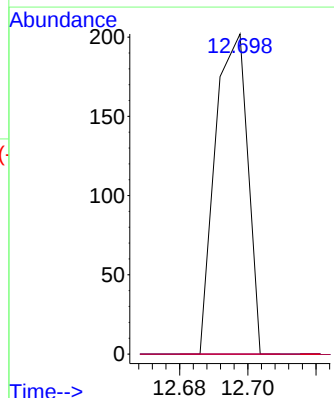
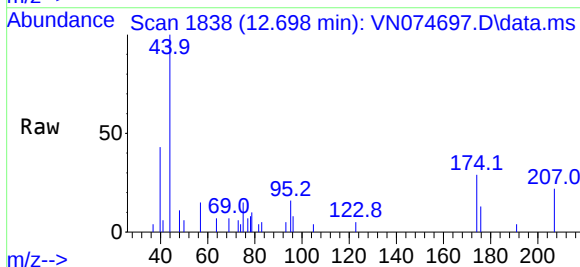
Instrument :
MSVOA_N
ClientSampleId :
MW-118

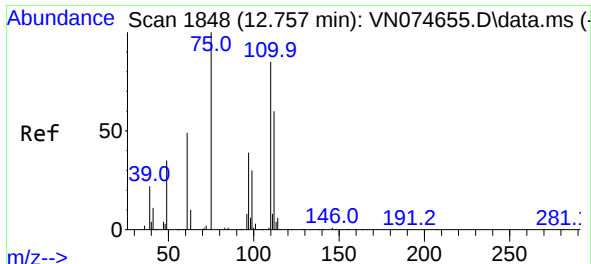
Tgt Ion:	43	Resp:	935
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	47.4	21.1	31.7#
61	0.0	21.1	31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.698 min Scan# 1838
Delta R.T. -0.006 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

Tgt Ion:	83	Resp:	133
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	15.9#
85	0.0	32.3	96.9#

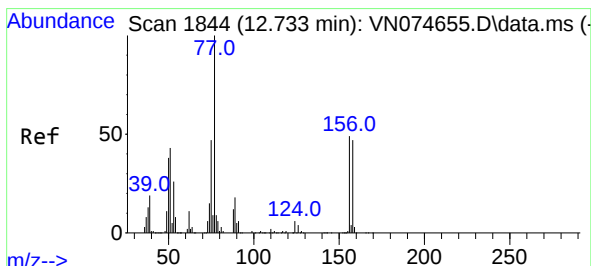
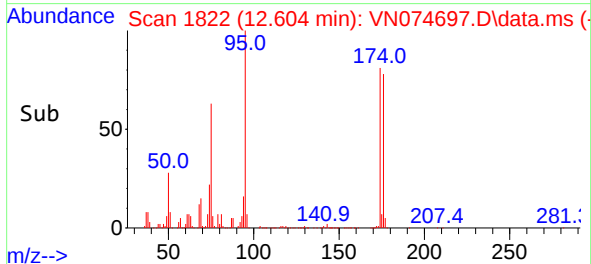
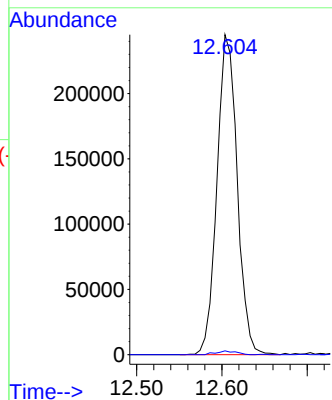
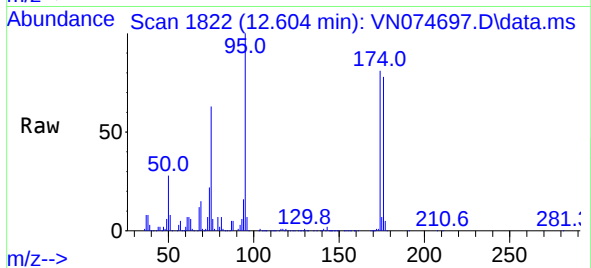




#76
1,2,3-Trichloropropane
Concen: 39.887 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

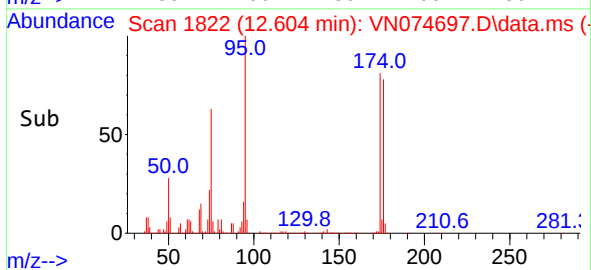
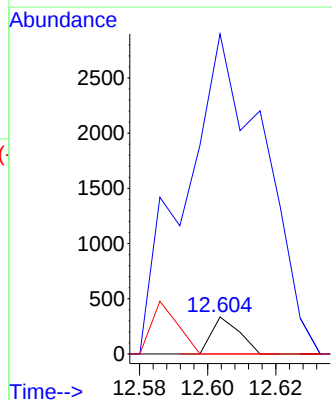
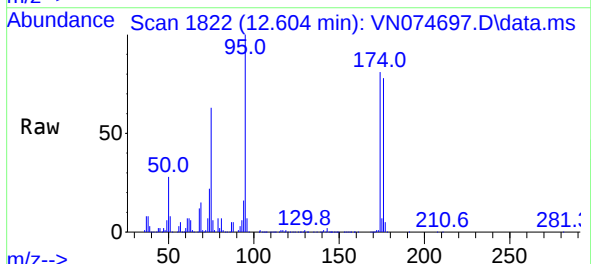
Instrument :
MSVOA_N
ClientSampleId :
MW-118

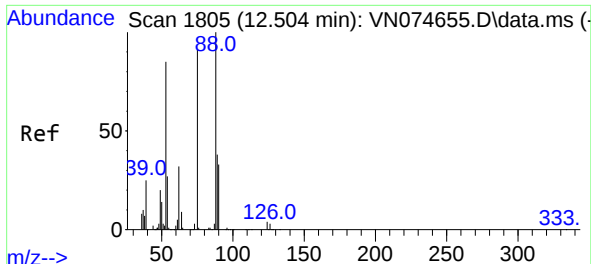
Tgt Ion: 75 Resp: 404199
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.604 min Scan# 1822
Delta R.T. -0.129 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

Tgt Ion:156 Resp: 188
Ion Ratio Lower Upper
156 100
77 2487.2 100.5 301.5#
158 135.1 48.9 146.6

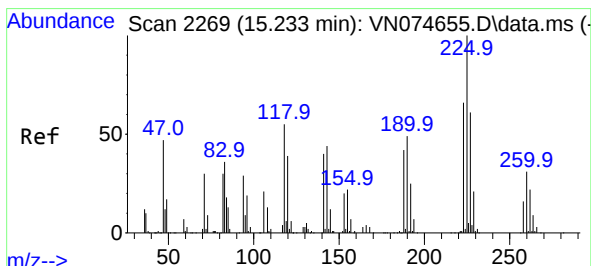
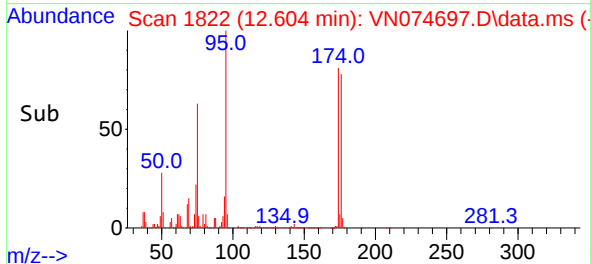
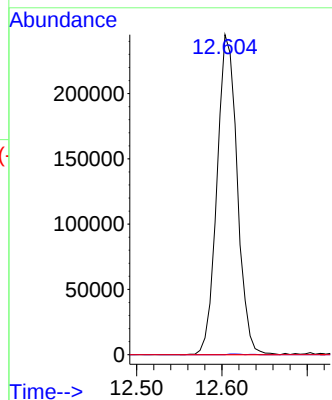
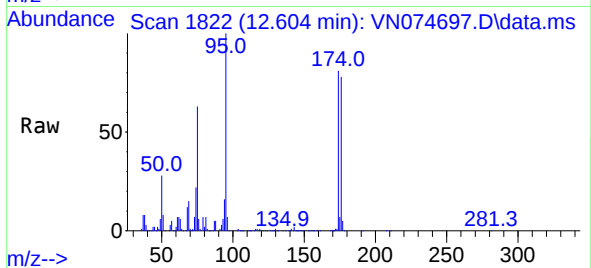




#81
trans-1,4-Dichloro-2-butene
Concen: 75.401 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

Instrument :
MSVOA_N
ClientSampleId :
MW-118

Tgt Ion: 75 Resp: 404199
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.227 min Scan# 2268
Delta R.T. -0.006 min
Lab File: VN074697.D
Acq: 01 Oct 2022 08:02

Tgt Ion: 225 Resp: 66
Ion Ratio Lower Upper
225 100
223 0.0 32.4 97.2#
227 0.0 31.8 95.4#

